

## METHOD AND SYSTEM FOR ANALYZING PERFORMANCE OF A TURBINE

### ABSTRACT

A method and system for analyzing performance of a turbine. The turbine optimizer allows a user to evaluate the current performance of their turbine with its current configuration and the future performance of their turbine with a modified configuration. The turbine optimizer determines the current performance characteristic of the turbine based on the current configuration information. Upon receiving from a user a request to display the future performance characteristics, the turbine optimizer calculates the performance characteristics for that turbine if various modifications are made to its configuration. The turbine optimizer may provide a graph that illustrates the current performance characteristics and future performance characteristics with those modifications. The turbine optimizer may also calculate various financial estimates based on the current operating characteristics or future operating characteristics of the turbine.